Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/17/2022 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124145	-1	1.31	124091	1.29
Blue	F	SSC	125000	123353	-2	2.38	123809	2.25
Blue	E	FITC	14284	13846	-4	2.18	388	13.13
Blue	D	PE	23919	23423	-3	1.61	556	10.70
Blue	B	PerCP-Cy5-5	31332	30751	-2	2.87	881	14.46
Blue	A	PE-Cy7	22272	22204	-1	4.87	458	31.51
Red	C	APC	47768	47213	-2	2.70	1625	11.31
Red	A	APC-Cy7	25313	24605	-3	3.06	696	12.16
Violet	B	V450	7085	6747	-5	3.23	468	11.02
Violet	A	V500	26969	25843	-5	2.82	883	8.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23805	2.76	578	-11	N/A	N/A	Pass
Blue	F	SSC	55320	1.90	519	-2	N/A	N/A	Pass
Blue	E	FITC	58	50.63	489	-12	0.0435	0	Pass
Blue	D	PE	108	39.02	486	-11	0.3681	265	Pass
Blue	B	PerCP-Cy5-5	137	41.70	575	-13	0.0214	106	Pass
Blue	A	PE-Cy7	77	79.62	623	-12	0.0208	0	Pass
Red	C	APC	339	25.51	574	-6	0.0294	186	Pass
Red	A	APC-Cy7	130	34.64	547	-8	0.0066	1408	Pass
Violet	B	V450	79	46.33	453	-10	0.0636	2447	Pass
Violet	A	V500	104	28.24	464	-10	0.0261	460	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.76	-31.49	0.99
Blue	20.34	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	14.83	13.90 - 20.86	N/A	N/A	29.82	30.04	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 13068

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments